

PTO/SB/08A (08-03)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1
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of 5

Complete if Known

Application Number	10/696.528
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Filing Date	28 October 2003
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First Named Inventor	Ulrich VOLLATH
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Art Unit	2655
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Examiner Name

Attorney Docket Number	A-1403
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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

FHM

Date	Considered
11/1/80	11/1/80
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11/5/80	11/5/80
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		Application Number	10/696,528
		Filing Date	28 October 2003
		First Named Inventor	Ulrich VOLLATH
		Art Unit	2655
		Examiner Name	
Sheet 2	of 5	Attorney Docket Number	A-1403

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
FHM		G. Bierman, Factorization Methods for Discrete Sequential Estimation, Academic Press, 1977 (pages 1-241)	
FHM		N. Carlson, Federated Square Root Filter for Decentralized Parallel Processing, IEEE Transactions on Aerospace and Electronic Systems, Vol.AES-26, No.3, May 1990, pp. 517-525	
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FHM		A. Gelb (ed.), Applied Optimal Estimation, The M.I.T. Press, 1992. pp. 107-113 and pp. 133-136	
FHM		E. Grafarend et al., Generating Classes of Equivalent Linear Models by Nuisance Parameter Elimination- Applications to GPS Observations, Manuscripta Geodetica 11 (1986), pp. 262-271	

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Sheet 3 of 5	Attorney Docket Number	A-1403	

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FHM		M. Grewal et al., Kalman filtering: theory and practice using MATLAB, second edition, 2001, John Wiley & Sons, New York (401 pages)	
FHM		R. Hatch, The synergism of GPS code and carrier phase ambiguities, Proceedings of the 3rd International Geodetic Symposium on Satellite Doppler Positioning, Las Cruces, New Mexico, February 1982, Vol. 2, pp 1213-1232	
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FHM		R. Hatch, Comparison of several AROF kinematic techniques, Proceedings of ION GPS-94, Salt Lake City, UT, September 20-23, pp. 363-370	
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FHM		B. Hofmann-Wellenhof et al., GPS Theory and Practice, Springer-Verlag, Fifth Edition, 2001, pp. 213-248	
FHM		P. Joosten et al., GNSS Three Carrier Phase Ambiguity Resolution using the LAMBDA-method, Proceedings of the GNSS 1999 (6 pages)	

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First Named Inventor	Ulrich VOLLATH
Art Unit	2655
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Sheet 4 of 5

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FHM		H. Landau et al., On-the-fly ambiguity resolution for precise differential positioning, Proceedings of ION GPS-92, Albuquerque, NM, September 16-18, pp. 607-613	
FHM		A. Leick, GPS Satellite Surveying, Second Edition, John Wiley & Sons, Inc., 1995 (560 pages)	
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FHM		D. Odijk, Triple-Frequency Ionosphere-Free Phase Combinations for Ambiguity Resolution, Proc. of the ENC-GNSS 2002 proceedings; The European Navigation Conference, Copenhagen, Denmark, 27-30 May 2002, 10 pp.	
FHM		L. Sjöberg, The best linear combinations of L1 and L2 frequency observables in the application of Transit/Doppler and GPS, Manuscripta Geodetica 15, 1990, pp. 17-22	
FHM		P. Teunissen, The least-squares ambiguity decorrelation adjustment: a method for fast GPS integer ambiguity estimation, Journal of Geodesy, 1-2, 1995, pp. 65-82	
FHM		P. Teunissen et al., Integer least-squares estimation of the GPS phase ambiguities, Proceedings of International Symposium on Kinematic Systems in Geodesy, Geomatics and Navigation KIS'94, Banff, Canada, August 30 - September 2, Department of Geomatics Engineering, The University of Calgary, pp. 221-231	
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FHM		P. Teunissen, The GPS integer least-squares statistics, Phys. Chem. Earth, 25(A9-A11), 673-677	
FHM		P. Teunissen, Statistical GNSS Carrier Phase Ambiguity Resolution: A Review, IEEE Workshop on Statistical Signal Processing Proceedings 2001 (9 pages)	

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FHM		U. Vollath et al., Analysis of Three-Carrier Ambiguity Resolution (TCAR) Technique for Precise Relative Positioning in GNSS-2, Proceedings of the ION-GPS 1998, Nashville, September 15-18, The Institute of Navigation, Alexandria, VA, pp. 417-426	
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FHM		J. Wang et al., A discrimination test procedure for ambiguity resolution on-the-fly, Journal of Geodesy (1998) 72, pp. 644-653	
FHM		"Trimble Total Control Software" Technical Notes, Product Brochure of Trimble Navigation Limited, 05/02 (8 pages)	

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